

**JAWORSKI, MARK**

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**From:** Hill, Michael  
**Sent:** Wednesday, July 14, 2010 3:47 PM  
**To:** JAWORSKI, MARK  
**Subject:** Gary Development Landfill Wetland Area Classified as PEMF and Contaminated Area Calculations 7-14-10  
**Attachments:** Wetland Area Acres and Square Feet Calculations 7-14-10.doc

Mark:

Attached is a detailed description of how the Wetland Area Classified as PEMF and Contaminated Area were calculated using GIS software.

FYI,

Mike

**Mike Hill, GISP**  
Senior Environmental Manager  
Indiana Department of Environmental Management  
Office of Land Quality, Science Services Branch  
Engineering and GIS Services Section  
[mhill@idem.in.gov](mailto:mhill@idem.in.gov)  
(317) 234-2475

8/18/2010

**Measured Areas for Gary Development Landfill Site**

- **Measured Area:**
  - Wetland Area Classified as PEMF in Gary Development Landfill
    - 2.83 acres = 123,409.22 ft<sup>2</sup>
- **Measured Area:**
  - Contaminated Area
    - .0955 acre = 4,159.98 ft<sup>2</sup>

Square Feet = A unit of area equal to one foot by one foot square.

Acre = A unit of area equal to 4,840 square yards or 43,560 square feet

- **Collection Method:**

Using GIS software, ESRI® ArcMap™ 9.3 (Build 1850) with License Type: ArcView, the total area of the contaminated area and the total area classified as PEMF in the Gary Development Landfill project area was measured using ArcMap . The Measure tool (Area Measurement option) was used in ArcMap to measure the respective areas.
- **Reference Datum:**
  - Datum: D\_North\_American\_1983
  - Geographic Coordinate System: GCS\_North\_American\_1983
  - Prime Meridian: Greenwich
  - Angular Unit: Degree
- **Source Map Scale:**
  - 1:12,000
- **Point / Line / Area:**
  - Area
- **Collection Date:**
  - 7-14-2010
- **Verification Method:**
  - Map Interpretation
- **Corresponding Map Publication Date:**
  - 5-25-2010